WHAT IS CLAIMED IS:

1. A folder for a web printing press comprising:

a first cutting and nipping device for partially cutting a web so as to form first cuts in the web, the first cutting and nipping device nipping the web; and

a second cutting and nipping device for cutting the web between the first cuts so as to form signatures, the second cutting and nipping device nipping the web.

2. The folder as recited in claim 1 wherein the web is nipped by the first cutting and nipping device circumferentially about a cutting surface of the first cutting and nipping device.

3. The folder as recited in claim 1 wherein the second cutting and nipping device includes a cutting cylinder having at least one segmented cutting element with cutting surfaces spaced apart axially and having nipping elements extending circumferentially with respect to the cutting surfaces.

4. The folder as recited in claim 3 wherein the second cutting and nipping device includes an anvil cylinder forming a nip with the nipping elements and an anvil for the segmented cutting element.

5. The folder as recited in claim 1 wherein the second cutting and nipping device includes an anvil cylinder having a urethane outer coating.

6. The folder as recited in claim 1 wherein the second cutting and nipping device includes a cutting cylinder having a urethane outer coating.

7. The folder as recited in claim 1 wherein the second cutting and nipping device includes a two-part metallic hub.

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- 8. The folder as recited in claim 7 wherein a urethane layer is bonded to the outer surface of the hub.
- 9. The folder as recited in claim 1 wherein the second cutting and nipping device includes a cutting cylinder having two segmented cutting elements spaced 180 degrees apart.
- 10. The folder as recited in plaim 1 wherein the second cutting and nipping device includes an anvil cylinder and a cutting cylinder indexable circumferentially with respect to one another.
- 11. The folder as recited in claim 10 wherein the anvil cylinder has a continuous outer layer.
- 12. The folder as recited in claim 11 wherein the outer layer is made of urethane.
- 13. The folder as recited in claim 1 wherein the second cutting and nipping device includes an anvil cylinder and a cutting cylinder, center distances between the anvil cylinder and the cutting cylinder being adjustable.
- 14. The folder as recited in claim/1 wherein the second cutting and nipping device includes an anvil cylinder and a cutting cylinder, the anvil cylinder and the cutting cylinder being cantileverable.
- 15. The folder as recited in claim 1 wherein the second cutting and nipping device includes a cutting cylinder having a hub and a segmented cutting element bolted to the hub.
- 16. The folder as recited in claim 1 further comprising guide belts for guiding the web past the second cutting and nipping device.

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17. The folder as recited in claim 1 wherein the first cutting and nipping device include a first cutting cylinder having nipping elements and having a first segmented cutting element having first cutting surfaces and the second cutting and nipping device includes a second cutting cylinder having nipping elements and having a second segmented cutting element having second cutting surfaces, the second cutting surfaces partially overlapping axially with respect to the first cutting surfaces.

18. A cutting device comprising:

a cutting cylinder having at least one segmented blade with axially-spaced cutting surfaces and nipping elements extending circumferentially with respect to the axially-spaced cutting surfaces; and

an anvil cylinder having an outer surface for providing a nip with the nipping elements and an anvil surface for the segmented blade.

19. A method for cutting a web competing the steps of:

partially cutting the web so as to form first cuts in the web with a first nipping and cutting device;

nipping the web with the first nipping and cutting device;

cutting the web between the first cuts as the web with a second nipping and cutting device; and

nipping the web with the second cutting and nipping device.

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